ELSEVIER

Lipids and Lipid Metabolism
(including Lipids in Signalling and Recognition)
Vol. 1301, 1996

BBA Biochimica et Biophysica Acta

Cumulative Contents

Rapid report

Identification of 14-hydroxy-4,14-*retro*-retinol as an in vivo metabolite of vitamin A
G. Tzimas, M.D. Collins and H. Nau (Germany, USA) 1

Review

Recent advances in the biosynthesis of plant fatty acids
J.L. Harwood (UK) 7

Regular papers

Hydrolysis and esterification of acylglycerols and analogs in aqueous medium catalyzed by microbial lipases
A. Kovac, P. Stadler, L. Haalck, F. Spener and F. Paltauf (Austria, Germany) 57

Characterization of 5'AMP-activated protein kinase activity in the heart and its role in inhibiting acetyl-CoA carboxylase during reperfusion following ischemia
N. Kudo, J.G. Gillespie, L. Kung, L.A. Witters, R. Schulz, A.S. Clanachan and G.D. Lopaschuk (Canada, USA) 67

Activation of acyl-coenzyme A:cholesterol acyltransferase activity by cholesterol is not due to altered mRNA levels in HepG2 cells
H. Matsuda, H. Hakamata, A. Miyazaki, M. Sakai, C.C.Y. Chang, T.-Y. Chang, S. Kobori, M. Shichiri and S. Horiuchi (Japan, USA) 76

Phospholipase A_2 activity in non-glycated and glycated low density lipoproteins
T. Sakurai, Y. Yamamoto, N. Baba and M. Nakano (Japan) 85

Alterations in surfactant neutral lipid composition during the development of bleomycin-induced pulmonary fibrosis
C.L. Swendsen, V. Skita and R.S. Thrall (USA) 90

Phase transitions of rat stratum corneum lipids by an electron paramagnetic resonance study and relationship of phase states to drug penetration
T. Ogiso, H. Ogiso, T. Paku and M. Iwaki (Japan) 97

Thermoalkalophilic lipase of *Bacillus thermocatenulatus*. I. Molecular cloning, nucleotide sequence, purification and some properties
C. Schmidt-Dannert, M.L. Rúa, H. Atomi and R.D. Schmid (Germany) 105

Disparate effects of oxidation on plasma acyltransferase activities: inhibition of cholesterol esterification but stimulation of transesterification of oxidized phospholipids
P.V. Subbaiah and M. Liu (USA) 115

Differential effects of glycero- and sphingo-phospholipolysis on human high-density lipoprotein fluidity
H. Lottin, C. Motta and G. Simard (France) 127

The selective uptake of the cholesteryl esters of low density lipoproteins parallels the activity of protein kinase C
L. Brissette, L. Falstrault, J. Lafond and L. Izem (Canada) 133

Effects of isomeric *cis* and *trans* eighteen carbon monounsaturated fatty acids on porcine platelet function
K.W.J. Wahle and L.I.L. Peacock (UK) 141

Subsection

Incorporation of 12(S)-hydroxyeicosatetraenoic acid into the phosphatidylcholine signaling pathway
A.B. Legrand, J. Wang, G. Sobo, I.A. Blair, A.R. Brash and J.A. Oates (France, USA) 150

Announcement: New Subsection of Lipids & Lipids Metabolism *iv*

Information for Contributors *v*

Review

Mammalian platelet-activating factor acetylhydrolases
D.M. Stafforini, S.M. Prescott, G.A. Zimmerman and T.M. McIntyre (USA) 161

Regular papers

Conformation of human serum apolipoprotein A-I(166–185) in the presence of sodium dodecyl

sulfate or dodecylphosphocholine by ^{1}H-NMR and CD. Evidence for specific peptide–SDS interactions
G. Wang, W.D. Treleaven and R.J. Cushley (Canada) 174

Characterization of a novel variant of apolipoprotein E, E2 Fukuoka (Arg-224 → Gln) in a hyperlipidemic patient with xanthomatosis
K. Moriyama, J. Sasaki, Y. Takada, F. Arakawa, A. Matsunaga, Y. Ito and K. Arakawa (Japan) 185

Liver fatty acid-binding protein expression in transfected fibroblasts stimulates fatty acid uptake and metabolism
E.J. Murphy, D.R. Prows, J.R. Jefferson and F. Schroeder (USA) 191

Reconstitution of the steroidogenic pathway from cholesterol to aldosterone in liposome membranes
S. Kominami, N. Nishida and S. Takemori (Japan) 199

Procolipase is produced in the rat stomach – a novel source of enterostatin
M. Sörhede, H. Mulder, J. Mei, F. Sundler and C. Erlanson-Albertsson (Sweden) 207

Up-regulation of the low density lipoprotein receptor-related protein by dexamethasone in HepG2 cells
R.K. Kancha and M.M. Hussain (USA) 213

Quantitation of apolipoprotein B-48 in triacylglycerol-rich lipoproteins by a specific enzyme-linked immunosorbent assay
J.A. Lovegrove, S.G. Isherwood, K.G. Jackson, C.M. Williams and B.J. Gould (UK) 221

Comparative effect of ursodeoxycholic acid and calcium antagonists on the binding, uptake and degradation of LDL in isolated hamster hepatocytes
B. Bouscarel, S. Ceryak and H. Fromm (USA) 230

Vastatins have a distinct effect on sterol synthesis and progesterone secretion in human granulosa cells in vitro
A.K. Van Vliet, G.C.F. Van Thiel, N. Naaktgeboren and L.H. Cohen (The Netherlands) 237

Iron-ascorbate-phospholipid mediated modification of low density lipoprotein
P. Greenspan, H. Yu, R.L. Gutman, F. Mao, B.-H. Ryu and P. Lou (USA) 242

The effect of microfluidization of protein-coated liposomes on protein distribution on the surface of generated small vesicles
N. Skalko, J. Bouwstra, F. Spies and G. Gregoriadis (UK, The Netherlands) 249

Phospholipid transfer protein mediated conversion of high density lipoproteins generates preβ_1-HDL
A. Von Eckardstein, M. Jauhiainen, Y. Huang, J. Metso, C. Langer, P. Pussinen, S. Wu, C. Ehnholm and G. Assmann (Germany, Finland) 255

Biosynthesis of docosahexaenoic acid in human cells: evidence that two different Δ^6-desaturase activities may exist
I. Marzo, M.A. Alava, A. Piñeiro and J. Naval (Spain) 263

Subsection

Review

Ceramide signalling and the immune response
L.R. Ballou, S.J.F. Laulederkind, E.F. Rosloniec and R. Raghow (USA) 273

Cumulative Contents, Vol. 1301 289

Author Index 291